

## Claims

1. A device for cleaning a powder coating booth,  
with a first air distribution batten that is provided  
5 for the floor of the powder coating booth,  
with a second air distribution batten that is provided for a side of the powder coating booth,  
with a suction channel provided with a suction slot  
to suck excess powder out of the booth, wherein the  
10 first and the second air distribution batten are provided to blow excess powder in the direction of the suction slot.
2. A device in accordance with claim 1,  
15 with a third air distribution batten that is provided for a second side of the powder coating booth, and  
with a second suction channel provided with a suction slot,  
wherein the third air distribution batten is provided  
20 to blow excess powder in the direction of the suction slot of the second suction channel.
3. A device in accordance with claim 1,  
wherein the first and/or the second and/or the third  
25 air distribution batten consist of several batten subsections, through each of which air can be blown out independently of the others.
4. A device in accordance with claim 3,  
30 with a control, by means of which the batten subsections can be individually controlled.

5. A device in accordance with claim 3,  
wherein two batten subsections lying opposite each  
other are always operated by means of a single valve.
- 5 6. A device in accordance with claim 1,  
wherein the first and/or the second and/or the third  
air distribution batten are provided with several  
nozzles that are arranged in such a manner that the  
airstream produced by the nozzles is substantially  
10 oriented at right angles to the longitudinal axis of  
the air distribution batten.
7. A device in accordance with claim 6,  
wherein the nozzles of the first air distribution  
15 batten are arranged in such a manner that the air-  
stream that can be produced by the nozzles is sub-  
stantially oriented parallel to the floor.
8. A device in accordance with claim 1,  
20 wherein the first air distribution batten is provided  
with nozzles on both sides of its longitudinal axis.
9. A device in accordance with claim 1,  
wherein the first and/or the second and/or the third  
25 air distribution batten are provided with nozzles ar-  
ranged in groups.
10. A device in accordance with claim 1,  
with a container for a reserve supply of compressed  
30 air that is connected with the air distribution bat-  
tens.

11. A device in accordance with claim 1,  
wherein the first and/or the second and/or the third  
air distribution batten extend substantially over the  
length of the floor in the powder coating booth.

5

12. A device in accordance with claim 1,  
wherein the first and/or the second and/or the third  
air distribution batten are made of plastic material,  
preferably PVC, POM or Teflon.

10

13. A powder coating booth with cleaning device,  
with a first air distribution batten that is arranged  
on the floor of the powder coating booth,  
with a second air distribution batten that is ar-  
ranged on a side of the powder coating booth, and  
with a suction channel provided with a suction slot,  
wherein the first and the second air distribution bat-  
ten are provided to blow excess powder in the direc-  
tion of the suction slot.

15

20

14. A powder coating booth in accordance with claim 13,  
wherein the suction slot is situated between the side  
and the floor of the powder coating booth.

15. A powder coating booth in accordance with claim 13,  
with a second suction channel provided with a suction  
slot,  
wherein the first and the second suction channel ex-  
tend along the long side of the powder coating booth.

25

30

16. A powder coating booth in accordance with claim 13,  
with an oblique surface that constitutes the transi-

tion between the side and the floor, and wherein the second and/or the third air distribution batten are arranged above the oblique surface.

- 5 17. A powder coating booth in accordance with claim 16,  
wherein the oblique surface is provided with a bevelled edge in its lower region and the surface formed by the bevelled edge encloses an acute angle with the floor.
- 10
18. A powder coating booth in accordance with claim 16,  
wherein the nozzles of the second and/or the third air distribution batten are oriented in such a manner that the airstream that can be produced by the nozzles is oriented substantially parallel to the oblique surface.
- 15
19. A powder coating booth in accordance with claim 13,  
wherein the first air distribution batten is arranged at the centre of the floor of the powder coating booth.
- 20
20. A powder coating booth in accordance with claim 13,  
wherein the second air distribution batten is integrated into a side wall of the powder coating booth and constitutes a flush surface therewith.
- 25
21. A powder coating booth in accordance with claim 13,  
that is designed in such a manner that the airstream produced by the nozzles is smaller than the airstream sucked out of the booth.
- 30

22. A powder coating booth in accordance with claim 13, wherein the first and/or the second suction channel is made of metal, preferable an alloy steel.